

9. Develop jQuery script (with HTML/CSS) for:

- ```
<!DOCTYPE html>

<head>
 <script src="https://code.jquery.com/jquery-
3.6.0.min.js"></script>
 <title>jQuery Example</title>
 <style>
 body {
 font-family: 'Roboto', sans-serif;
 background-color: #f4f7f6;
 margin: 0;
 padding: 0;
 display: flex;
 justify-content: center;
 align-items: center;
 height: 100vh;
 }

 .container {
 text-align: center;
 background: #fff;
 padding: 30px;
 border-radius: 12px;
 box-shadow: 0 4px 20px rgba(0, 0, 0, 0.1);
 transition: transform 0.3s ease-in-out;
 }

 .container:hover {
 transform: scale(1.02);
 }
 </style>
</head>

<body>
 <div class="container">
 <h1>jQuery</h1>
 <p>jQuery is a JavaScript library that simplifies
 the process of interacting with the Document
 Object Model (DOM) and makes it easier to
 create dynamic web pages. It provides a
 wide range of functions for manipulating
 the DOM, handling events, and making
 asynchronous requests (AJAX).</p>
 </div>
</body>
</html>
```

```
#paragraph {
 margin-bottom: 20px;
 color: #333;
 font-size: 18px;
 line-height: 1.5;
}

#list {
 margin-bottom: 20px;
 list-style: none;
 padding: 0;
}

#list li {
 background: #e8f0fe;
 margin: 5px 0;
 padding: 10px;
 border-radius: 8px;
 transition: background 0.3s;
}

#list li:hover {
 background: #d0e2fe;
}

.box {
 padding: 0 10px;
 width: 100px;
 height: 100px;
 background-color: #007bff;
 margin: 20px auto;
 line-height: 100px;
 color: white;
 text-align: center;
 border-radius: 8px;
 transition: all 0.3s ease;
```

```
}

button {
 padding: 12px 24px;
 margin: 10px;
 cursor: pointer;
 border: none;
 border-radius: 6px;
 font-size: 16px;
 background: #007bff;
 color: white;
 transition: box-shadow 0.3s, transform 0.2s;
 box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
}

button:hover {
 box-shadow: 0 0 0 2px #fff, 0 0 0 4px #007bff;
}

button:focus {
 box-shadow: 0 0 0 2px #fff, 0 0 0 4px #007bff;
}

button:active {
 background: #004494;
 transform: translateY(0);
}
</style>
</head>

<body>
 <div class="container">
 <p id="paragraph">This is an existing paragraph.</p>
 <ul id="list">
 List item 1
 List item 2

 </div>
</body>
```

```
<div class="box" id="box">Animate me!</div>
<button id="appendButton">Append Content</button>
<button id="animateButton">Animate Box</button>
</div>

<script>
 $(document).ready(function () {

 $("#appendButton").click(function () {
 $("#paragraph").append(" Appended text.");
 $("#list").append("New appended list
item");
 });

 $("#animateButton").click(function () {

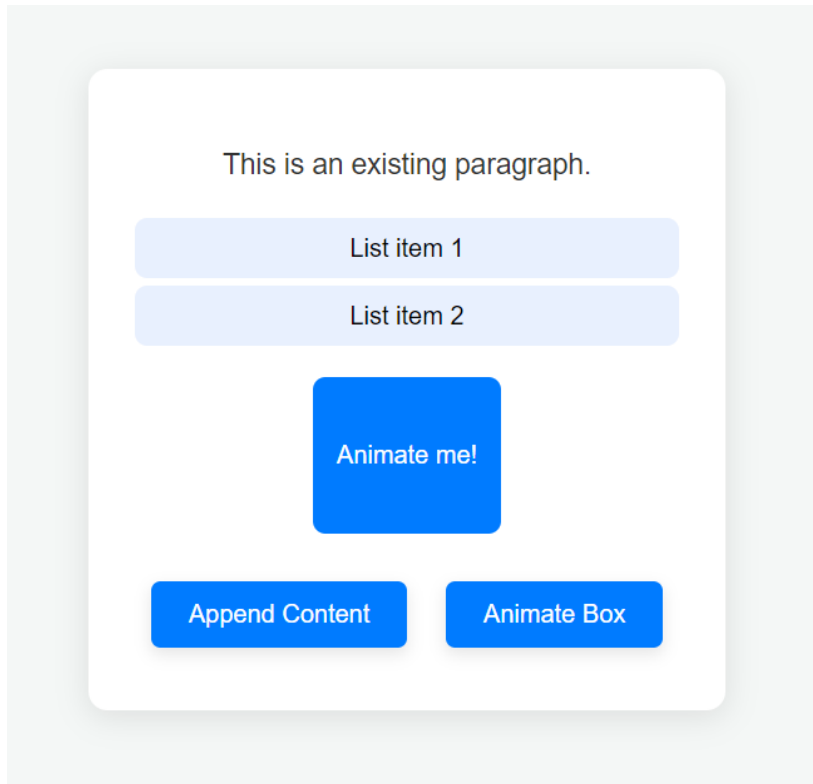
 $("#box").stop(true, true).css({
 width: "100px",
 height: "100px",
 opacity: 1,
 backgroundColor: "blue"
 }).animate({
 width: "200px",
 height: "200px",
 opacity: 0.5
 }, 1000, function () {

 $(this).css("background-color", "green");
 });
 });
 });

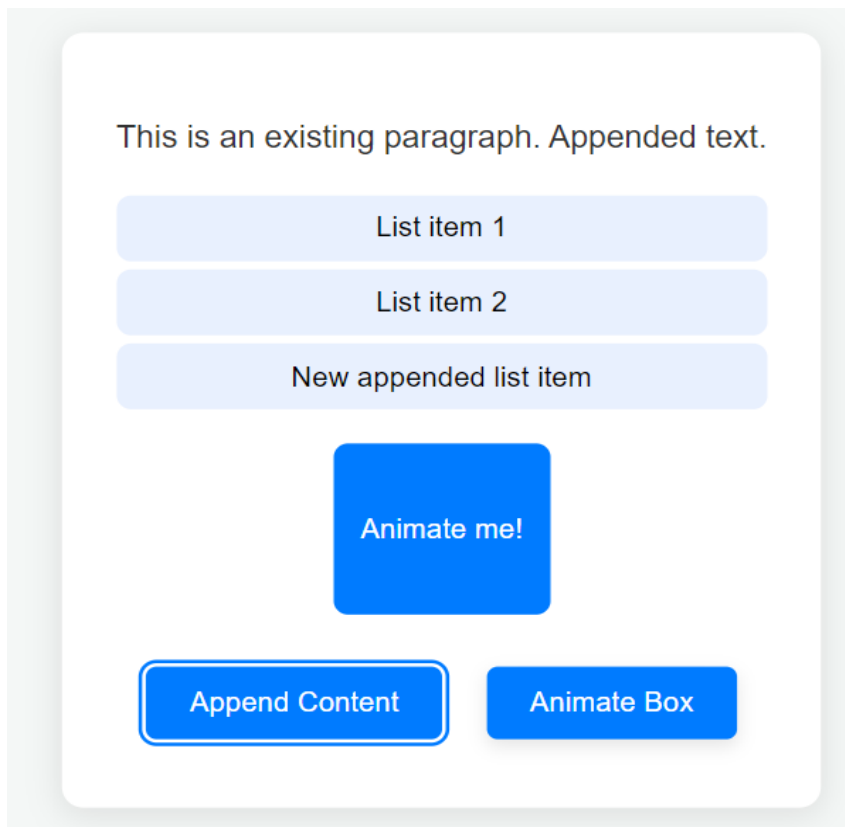
</script>
</body>

</html>
```

**Output:**



**After clicking on Append content,**



**once again click on append content**

This is an existing paragraph. Appended text.

List item 1

List item 2

New appended list item

Animate me!

Append Content

Animate Box

Click on Animate Box button,

This is an existing paragraph. Appended text.

List item 1

List item 2

New appended list item

Animate me!

Append Content

Animate Box

This is an existing paragraph. Appended text.

List item 1

List item 2

New appended list item

Animate me!

Append Content

Animate Box